

## 9845A MONITOR/PLAYBACK SPEAKER SYSTEM



### DESCRIPTION

The ALTEC 9845A Monitor/Playback Speaker System is designed for applications where extended frequency response, low distortion, maximum sensitivity and wide dynamic range are required. The bass loudspeaker is capable of producing excellent low-frequency response with minimal input power. The dividing network has a switchable shelving adjustment from 0 dB to -6 dB in 1.5 dB steps. Frequencies above 500 Hz are handled by a compression driver mounted on a sectoral high-frequency horn.

The housing is a ported enclosure constructed of  $\frac{3}{4}$ -inch material. It is heavily braced internally and lined with acoustic damping material. The enclosure is finished in gray lacquer and includes a complementary black grille cloth.

Typical applications for the 9845A include recording studio control room monitoring, remix studios, mastering rooms, audition rooms, broadcast studio monitoring and playback, auditoriums, nightclubs, conference rooms, theatres, and church sound reinforcement systems.

## SPECIFICATIONS

<b>Speaker Components:</b>	416A 15" Bass Driver 511B Sectoral Horn 806A HF Compression Driver N500G Dividing Network	<b>Distribution Pattern:</b> 90° horizontal by 60° vertical (—6 dB included angles)
<b>Power Capacity:</b>	Up to 50 watts pink noise, band-limited from 35 Hz to 20,000 Hz	<b>Crossover Network:</b> 500 Hz with 12 dB/octave crossover slope with switchable shelving control 0 dB to —6 dB in 1.5 dB steps, located on front panel
<b>Frequency Response:</b>	35 Hz to 20,000 Hz	
<b>Impedance:</b>	16 ohms	<b>Input Connections:</b> Thumb-screw type, located on rear panel
<b>Pressure Sensitivity:</b>	97 dB SPL measured at 4' on axis with 1 watt input of pink noise band-limited from 500 Hz to 3000 Hz  114 dB SPL measured at 4' on axis with 50 watts input of pink noise band-limited from 500 Hz to 3000 Hz	<b>Enclosure Type:</b> Vented
		<b>Finish:</b> Studio gray lacquer
		<b>Dimensions:</b> 28" (71.1 cm) H x 40" (101.6 cm) W x 24½" (62.2 cm) D
<b>Equivalent EIA Rating:</b>	50 dB SPL measured at 30' with 1 mW input	<b>Shipping Weight:</b> 170 pounds (77.1 kg)
		<b>Actual Weight:</b> 130 pounds (59.1 kg)

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The monitor/playback speaker system shall be of the two-way type and shall consist of a 15" low-frequency loudspeaker, a compression driver mounted to a high-frequency sectoral horn, and a 500 Hz, 16-ohm dividing network. The system shall meet the following criteria. Power rating, 50 watts pink noise. Frequency response, from 35 Hz to 20,000 Hz. Impedance, 16 ohms. Pressure sensitivity, 97 dB SPL when measured at 4' on axis with 1 watt input of pink noise from 500 Hz to 3000 Hz. Distribution pattern, 90° horizontal by 60° vertical. Crossover network, 500 Hz with 12 dB/octave slope with shelving control variable from 0 dB to —6 dB in 1.5 dB steps. The enclosure shall be constructed of ¾" material, heavily braced internally and lined with acoustic damping material. Finish shall be gray lacquer. Dimensions, 28" H x 40" W x 24½" D. Weight, 130 pounds.

The monitor/playback speaker system shall be the ALTEC Model 9845A.

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